

# SEQUENCE LISTING

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 Publicover, Nelson G.

<120> IMPROVED METHODS FOR DETECTING AND MEASURING SPECIFIC NUCLEIC  
 ACID SEQUENCES

<130> 031673-002000

<140> US/10/578,248  
 <141> 2006-05-04

<150> 60/517,399  
 <151> 2003-11-06

<160> 11

<170> PatentIn version 3.3

<210> 1  
 <211> 20  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Reporter Oligonucleotide (RO-TAMRA). The 5'-TAMRA-labeled  
 oligonucleotide is complementary to the 5' tail sequence of the  
 capture oligonucleotide.

<400> 1  
 aaaatccacc caccacccc 20

<210> 2  
 <211> 20  
 <212> DNA  
 <213> artificial

<220>  
 <223> Reporter Complement (RC). This oligonucleotide is complementary  
 to the reporter oligonucleotide.

<400> 2  
 ggggtggggtg ggtggatttt 20

<210> 3  
 <211> 79  
 <212> DNA  
 <213> artificial

<220>  
 <223> Capture Oligonucleotide (CO) is a 79-mer oligonucleotide has a  
 short nucleotide sequence complementary to a sequence in the  
 murine B7.2 mRNA.

<400> 3  
 ggggtggggtg ggtggatttt cccaaactta cggatcgtgg gtgcttccgt aagtttgggc 60  
 ccctcctcct ccctcctcc 79

<210> 4  
 <211> 79  
 <212> DNA  
 <213> artificial

<220>  
 <223> Control Capture Oligonucleotide (CCO). This oligonucleotide has the same sequence as the capture oligonucleotide except that three thymines replace three guanines at positions 23 to 25 (from the 5' terminus).

<400> 4  
 ggggtggggtg ggtggatttt aaaaaactta cggatcgtgg gtgcttccgt aagttttttc 60  
 ccctcctcct ccctcctcc 79

<210> 5  
 <211> 24  
 <212> DNA  
 <213> artificial

<220>  
 <223> 24mer Target Sequence (24mer). This oligonucleotide represents a target that is complementary to 24 nucleotides in the target recognition sequence in the CO and CCO.

<400> 5  
 cccaaactta cggaagcacc cacg 24

<210> 6  
 <211> 67  
 <212> DNA  
 <213> artificial

<220>  
 <223> B7-67mer Target Sequence (B7-67mer). This oligonucleotide represents a segment of the murine B7.2 mRNA sequence. Its sequence is complementary to the 22 nucleotides in the mRNA recognition sequence.

<400> 6  
 ccagaactta cggaagcacc cacgatggac cccagatgca ccatgggctt ggcaatcctt 60  
 atcttttg 67

<210> 7  
 <211> 20  
 <212> DNA  
 <213> artificial

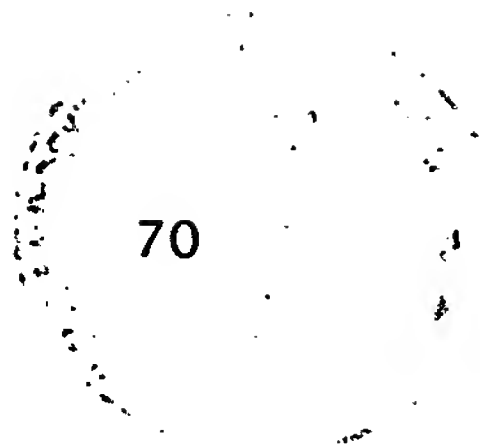
<220>  
 <223> Address Oligonucleotide with Disulfide (AO/SS). This oligonucleotide has a disulfide group at the 5' end that enables its attachment to the substrate.

<400> 7  
 ggaggaggga ggaggagggg 20

<210> 8  
 <211> 70  
 <212> DNA  
 <213> artificial

<220>  
 <223> Capture oligonucleotide (CO) sequence used in Example 6.

<400> 8  
 ggggtgggtg gtggttattt tcccttacat cgtgggtgct tccgtaaggg tgggagggag 60



ggagggagag

<210> 9  
<211> 67  
<212> DNA  
<213> artificial

<220>  
<223> B7-67mer sequence is identical to SEQ ID NO:6, which represents a segment of the murine B7.2 mRNA sequence.

<400> 9  
ccagaactta cggaagcacc cacgatggac cccagatgca ccatgggctt ggcaatcctt 60  
atctttg 67

<210> 10  
<211> 15  
<212> DNA  
<213> artificial

<220>  
<223> T3 sequence complementary to the CO loop region

<400> 10  
ggaagcaccc acgat 15

<210> 11  
<211> 15  
<212> DNA  
<213> artificial

<220>  
<223> SM sequence differs from the T3 sequence in only one base at position 6.

<400> 11  
ggaagaaccc acgat 15